

# Basic Digital Vehicular Video System

# Block Diagram

**Robert S. Gammientaler**

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**Mar 2, 2001**

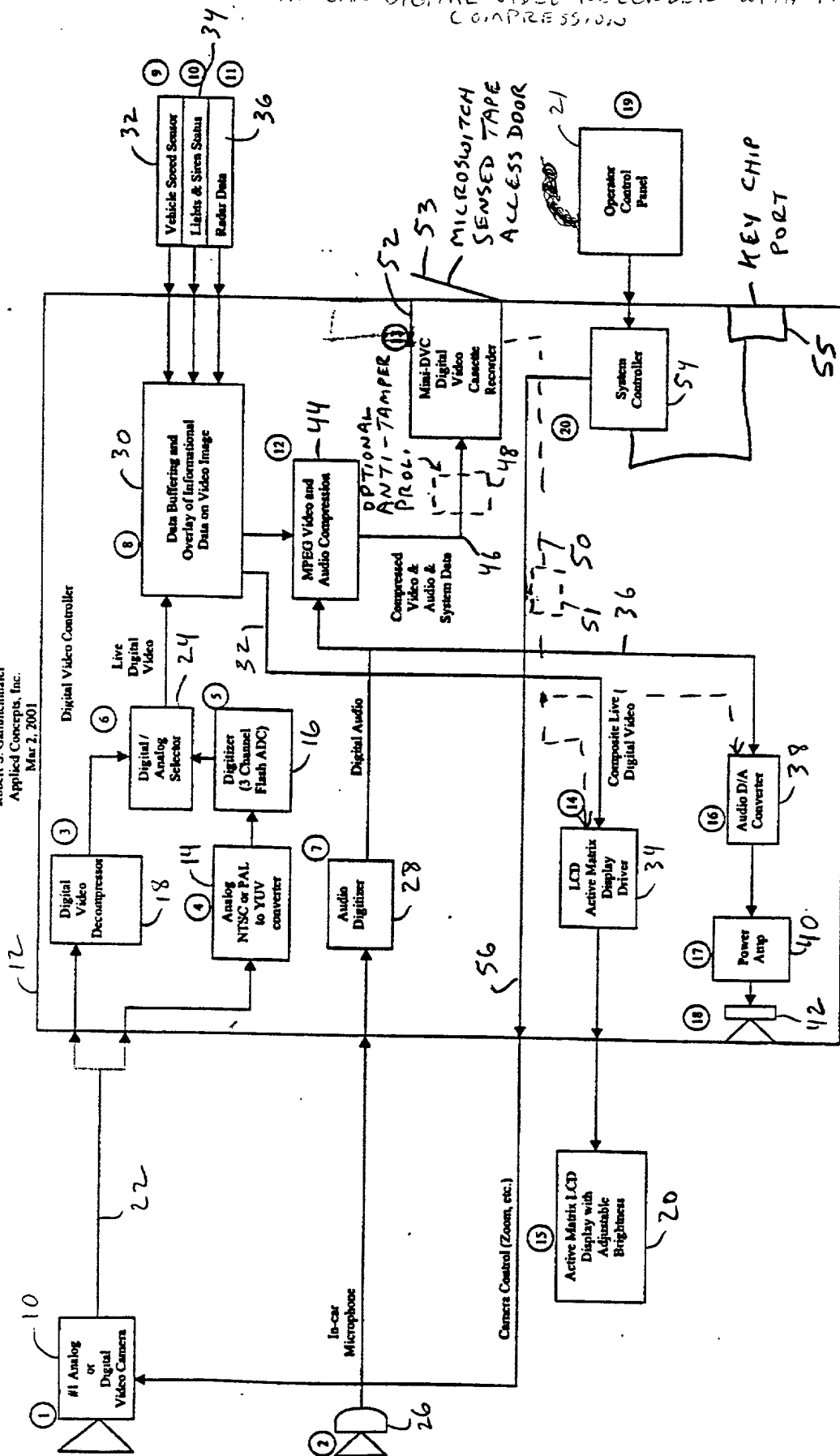


Fig. 1

ALI - DIG. IN  
GAMMENTHALER  
IN-CAR DIGITAL VIDEO RECORDER WITH MPEG  
COMPRESSION

# Buffered Digital Vehicular Video System Block Diagram

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Feb 8, 2001

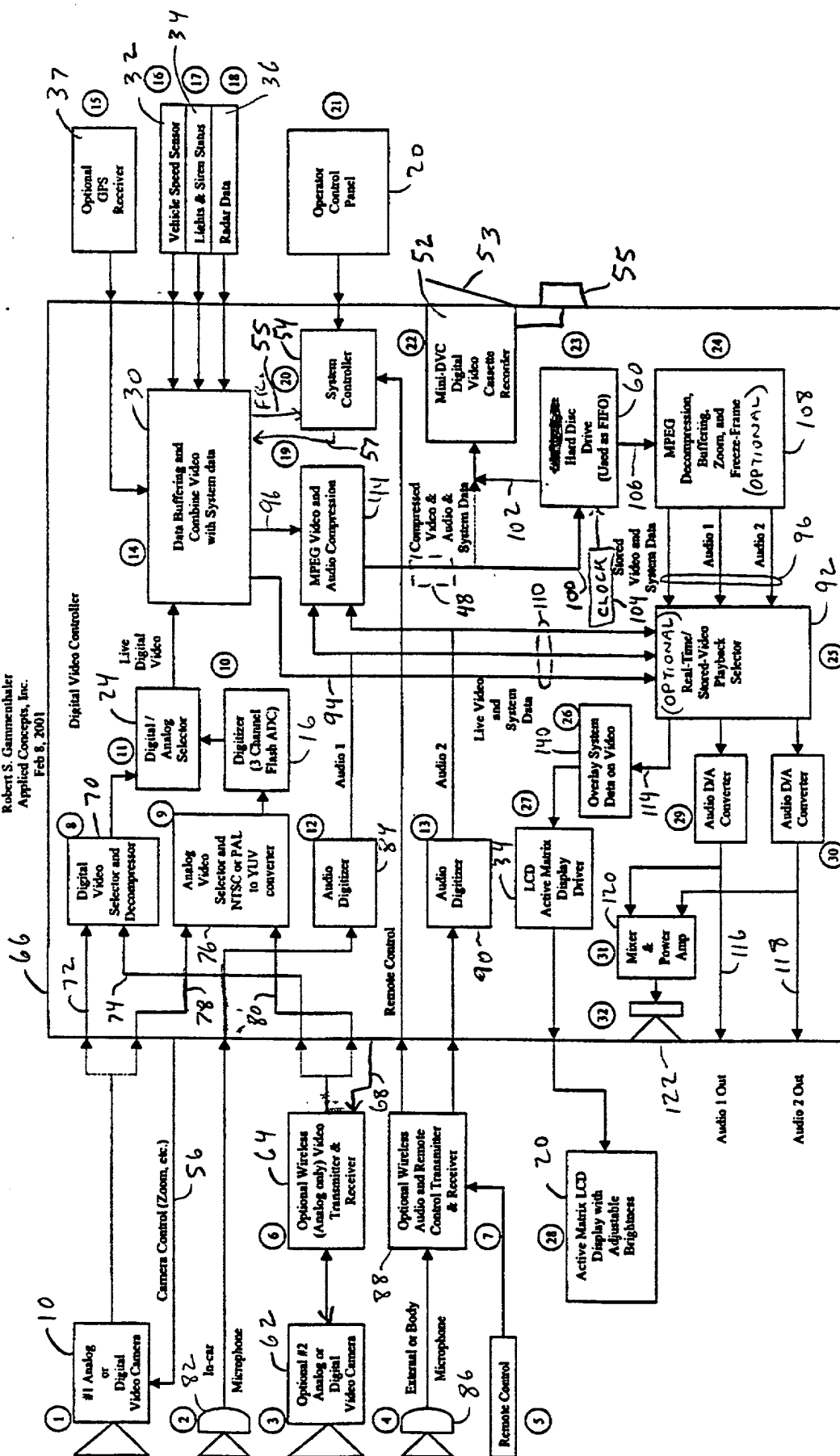


FIG. 2

# Basic Digital Vehicular Video System with Anti-Tampering

Block Diagram

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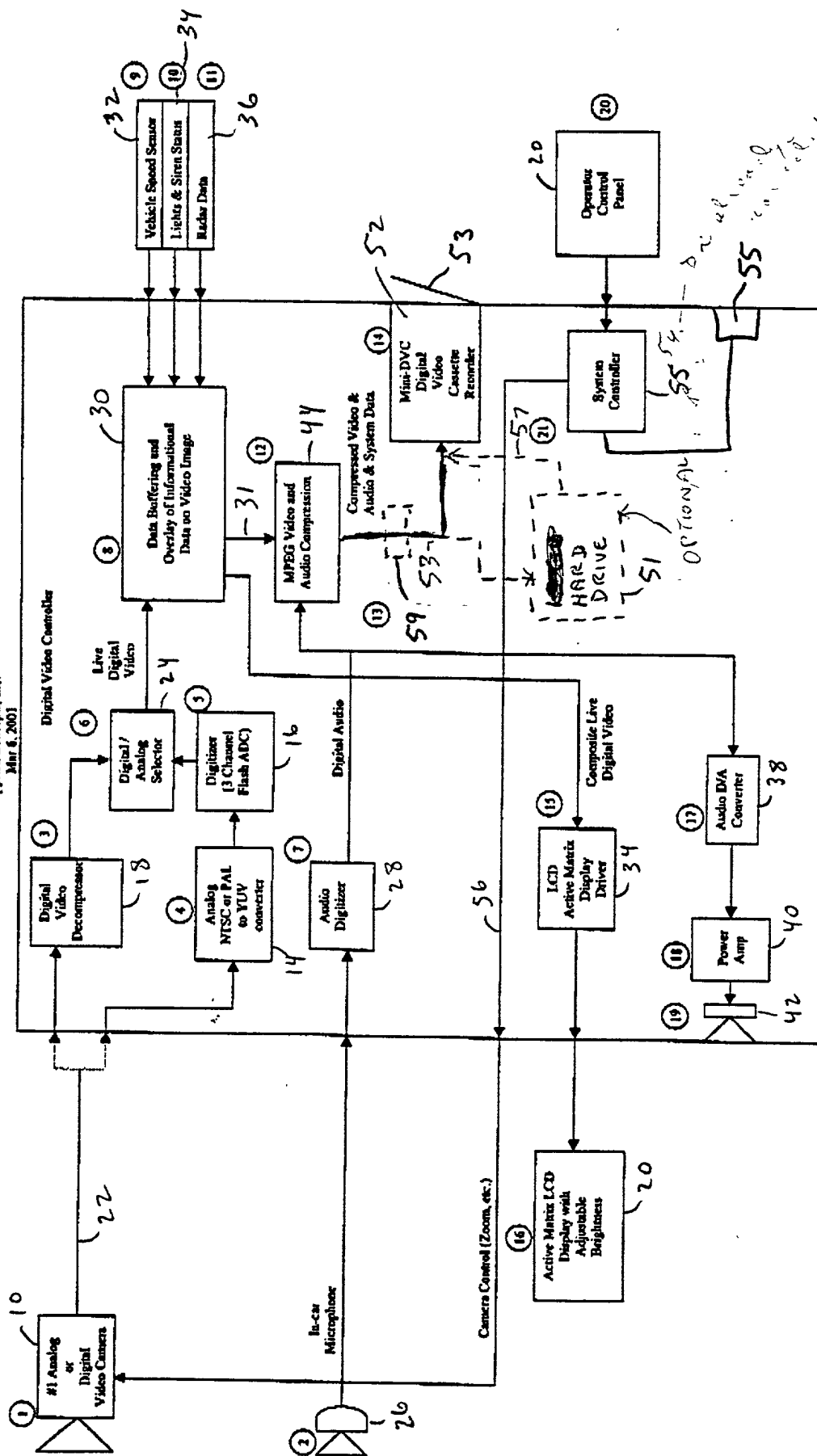


FIG. 3

# Basic Digital Vehicular Video System with Anti-Tampering

## Block Diagram

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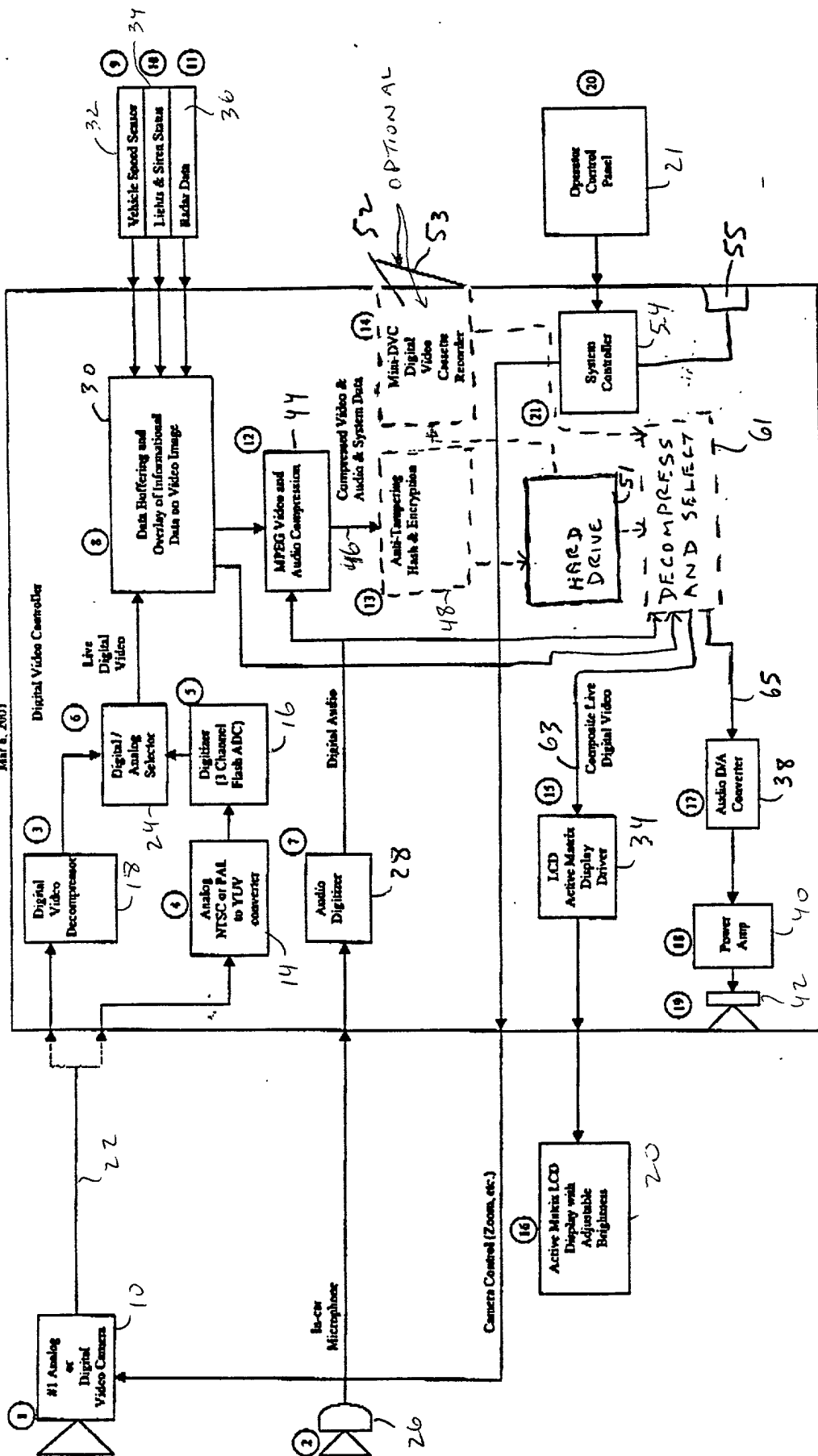


FIG. 4

## DOUBLE ENCRYPTION OF SIGNATURES TO PREVENT TAMPERING

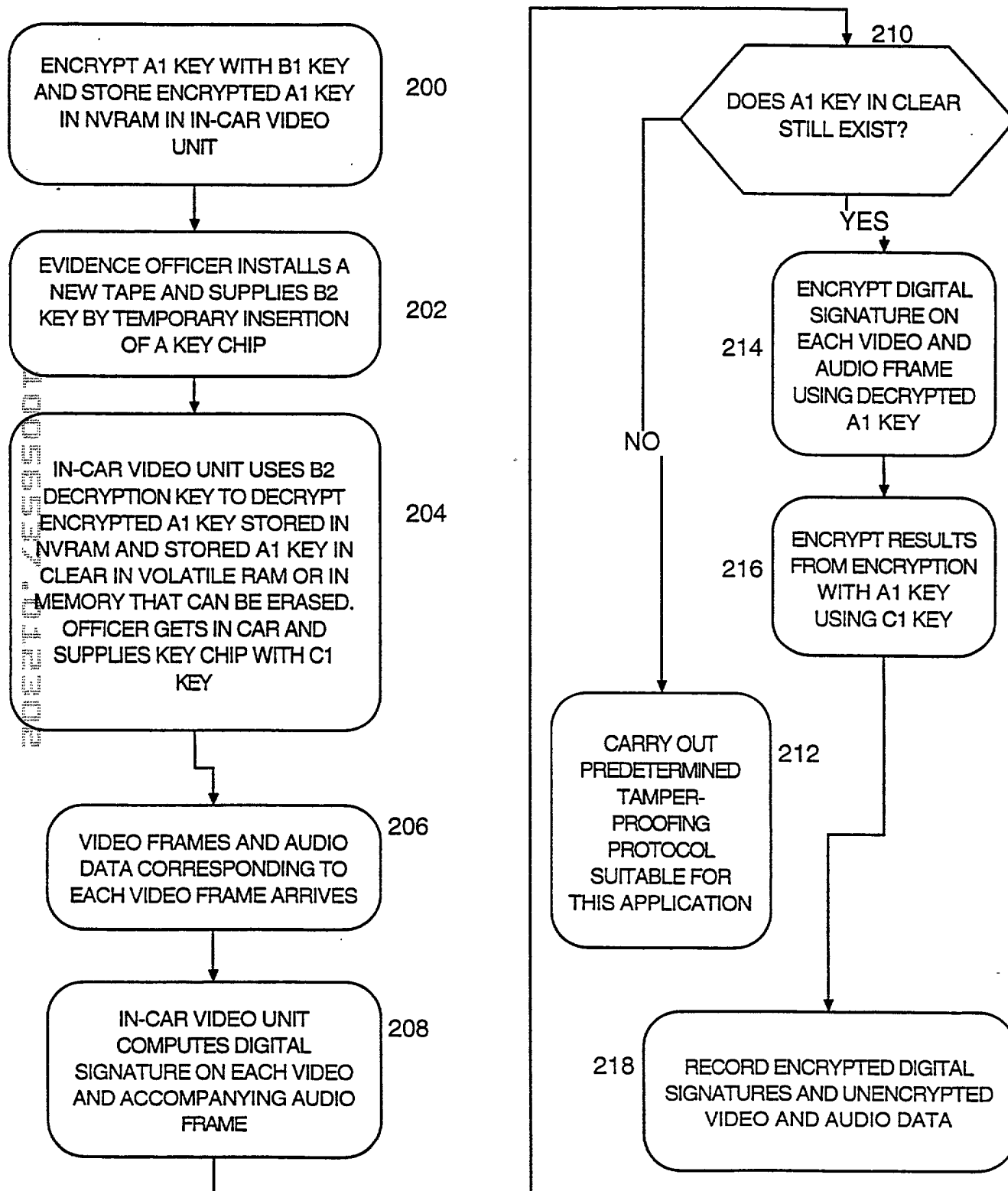


FIG. 5

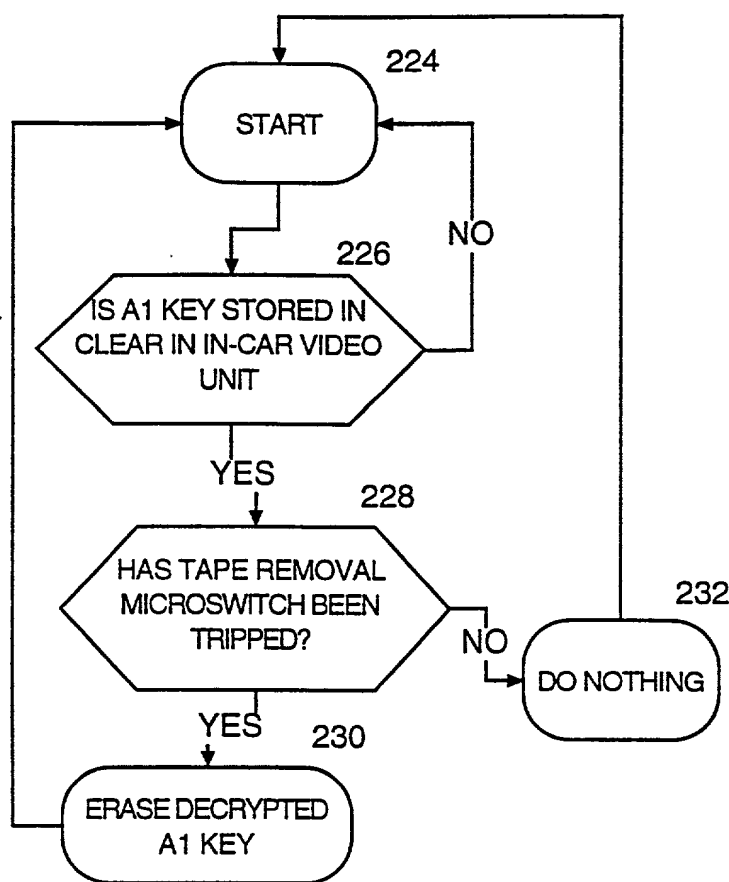


FIG. 6

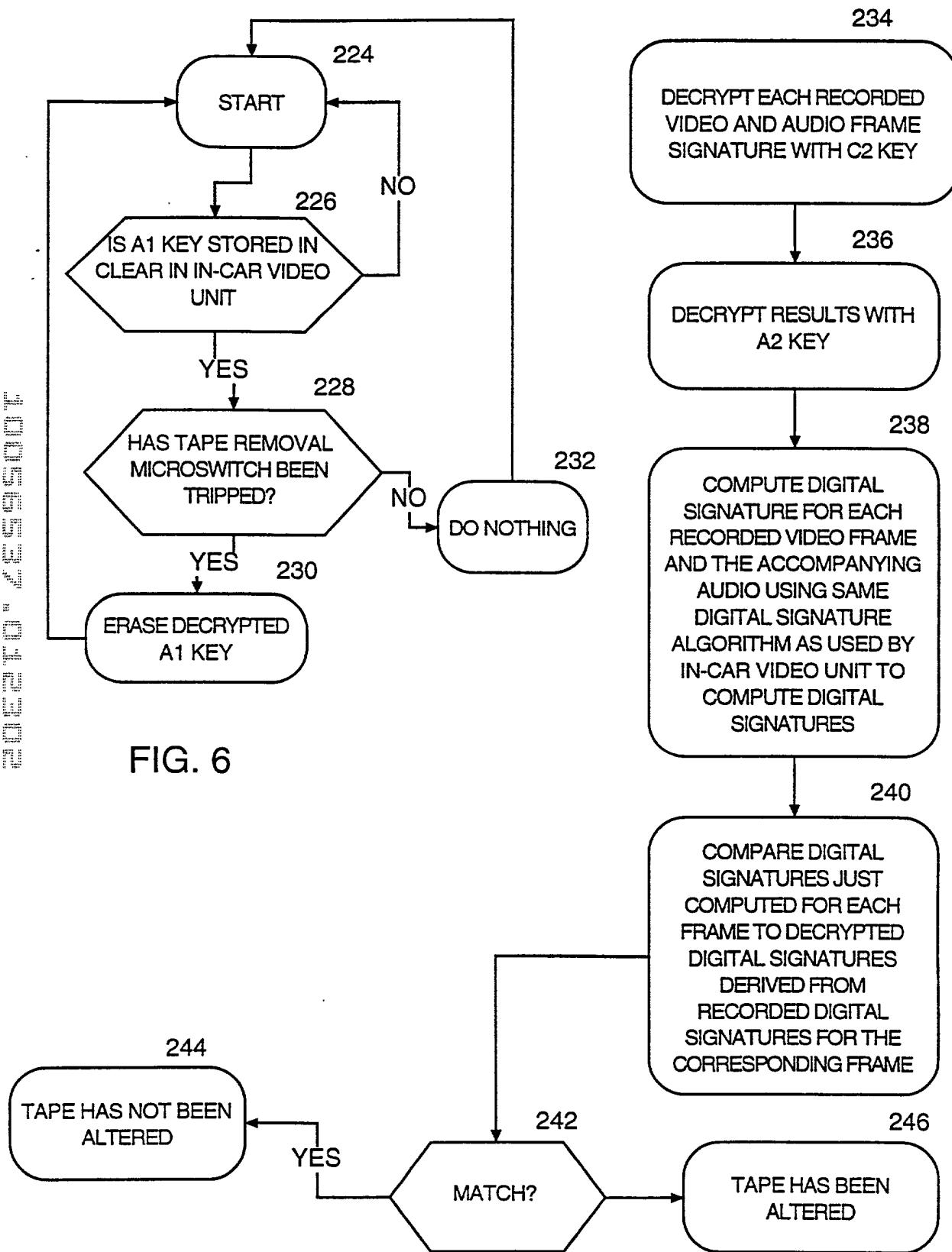


FIG. 7

# TRIPLE ENCRYPTION FRONT END, SINGLE ENCRYPTION BACK END

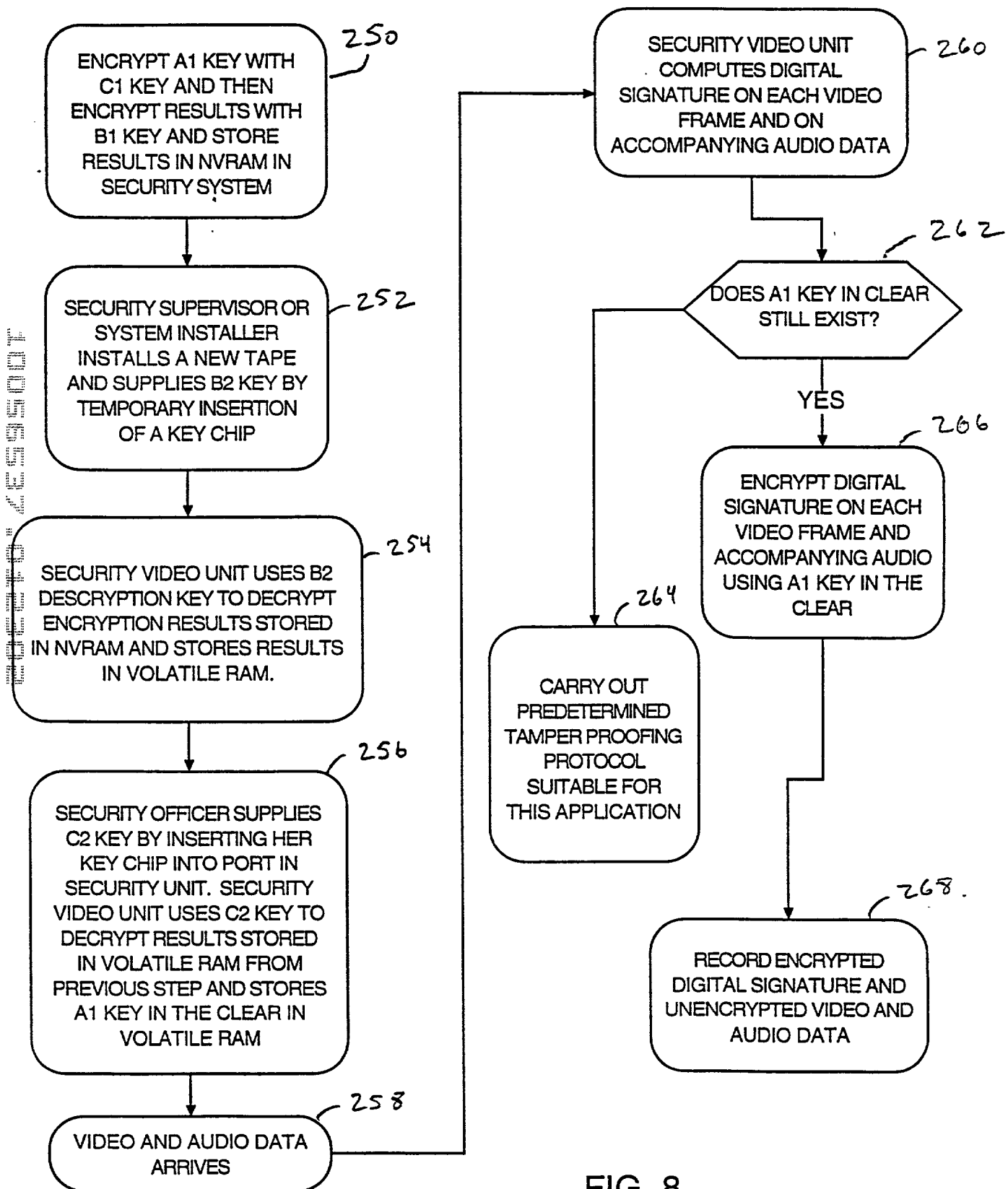


FIG. 8

NO ENCRYPTION ON FRONT END, TRIPLE ENCRYPTION ON THE BACK END

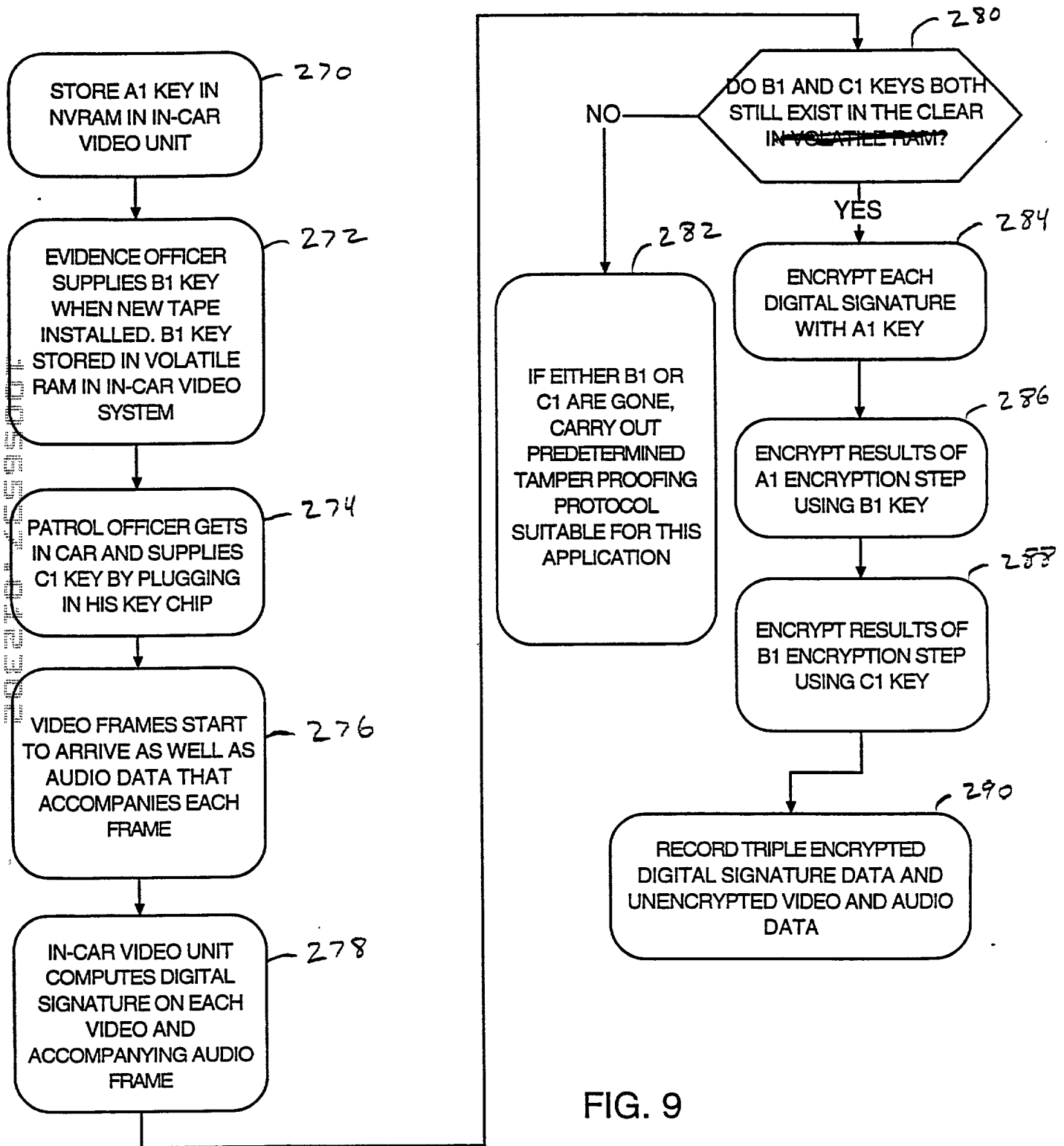


FIG. 9